BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the work: **Modified Estimate Construction of SSM wall at Survey No. 33 Mallasandra in Ward No. 13 in Shettyhalli Sub Division.**

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 142 / Item No. 19.1 / PWD SR 2016-17**								
	Bande Park	Cum							
			1	14.75	0.80	1.20	14.16		
			1	16.00	0.80	1.20	15.36		
			1	15.00	0.80	1.20	14.40		
			1	15.35	0.80	1.20	14.73		
			1	11.60	0.80	1.20	11.13		
			1	13.30	0.80	1.20	12.76		
			1	12.50	0.80	1.20	12.00		
			1	14.20	0.80	1.20	13.63		
			1	19.40	0.80	1.20	18.62		
	Indira Canteen		1	15.80	0.80	1.20	15.16		
			2	23.00	0.80	1.20	44.16		
			2	16.00	0.80	1.20	30.72		
			1	1.60	0.80	1.20	1.53		
			1	30.00	0.80	1.20	28.80		
	Pipeline Road		1	8.80	0.80	1.20	8.44		
			1	30.00	0.80	1.20	28.80		
			1	30.00	0.80	1.20	28.80		
			1	8.00	0.80	1.10	7.04		
			1	30.00	0.80	1.20	28.80		
			1	30.00	0.80	1.20	28.80		
			1	15.00	0.80	1.20	14.40		
							392.24	**TP**	
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M10 with OPC cement @ 220 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12 / Item No. 4.3 / PWD SR 2016-17**						**392.24**	105.00	**41185.00**
	Bande Park	Cum							
			1	14.75	0.80	0.20	2.36		
			1	16.00	0.80	0.20	2.56		
			1	15.00	0.80	0.20	2.40		
			1	15.35	0.80	0.20	2.45		
			1	11.60	0.80	0.20	1.85		
			1	13.30	0.80	0.20	2.12		

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Sl No	Description	Unit	No	L	B	D	Qty	Rate	Amount
			1	12.50	0.80	0.20	2.00		
			1	14.20	0.80	0.20	2.27		
			1	19.40	0.80	0.20	3.10		
			1	15.80	0.80	0.20	2.52		
	Indira Canteen		2	23.00	0.80	0.20	7.36		
			2	16.00	0.80	0.20	5.12		
			1	1.60	0.80	0.20	0.25		
			1	30.00	0.80	0.20	4.80		
			1	8.80	0.80	0.20	1.40		
			1	30.00	0.80	0.20	4.80		
	Pipeline Road		1	30.00	0.80	0.20	4.80		
			1	8.00	0.80	0.20	1.28		
			1	30.00	0.80	0.20	4.80		
			1	30.00	0.80	0.20	4.80		
			1	15.00	0.80	0.20	2.40		
							65.44	TP	
							65.44	4691.00	306979.00
3	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 **Page No. 23 / Item No. 5.6 / PWD SR 2016-17**	Cum							
	Bande Park		1	14.75	0.75	1.00	11.06		
			1	16.00	0.75	1.00	12.00		
			1	15.00	0.75	1.00	11.25		
			1	15.35	0.75	1.00	11.51		
			1	11.60	0.75	1.00	8.70		
			1	13.30	0.75	1.00	9.97		
			1	12.50	0.75	1.00	9.37		
			1	14.20	0.75	1.00	10.65		
			1	19.40	0.75	1.00	14.55		
			1	15.80	0.75	1.00	11.85		
			2	23.00	0.75	1.00	34.50		
	Indira Canteen		2	16.00	0.75	1.00	24.00		
			1	1.60	0.75	1.00	1.20		
			1	30.00	0.75	1.00	22.50		
			1	8.80	0.75	1.00	6.60		
			1	30.00	0.75	1.00	22.50		
	Pipeline Road		1	30.00	0.75	1.00	22.50		
			1	8.00	0.75	1.00	6.00		
			1	30.00	0.75	1.00	22.50		
			1	30.00	0.75	1.00	22.50		
			1	15.00	0.75	1.00	11.25		
	Bande Park		1	14.75	0.60	1.05+1.6 / 2	11.73		
			1	16.00	0.60	1.0+1.7 / 2	12.96		

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No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			1	15.00	0.60	1.0+1.6 / 2	11.70		
			1	15.35	0.60	1.1+1.9 / 2	13.82		
			1	11.60	0.60	1.5+1.9 / 2	11.83		
			1	13.30	0.60	1.2+1.8 / 2	11.97		
			1	12.50	0.60	1.2+1.6 / 2	10.50		
			1	14.20	0.60	1.2+1.8 / 2	12.78		
			1	19.40	0.60	1.2+1.6 / 2	16.30		
			1	15.80	0.60	1.2+1.5 / 2	12.80		
	Indira Canteen		2	23.00	0.60	0.6+1.5 / 2	28.98		
	Front		1	16.00	0.60	0.60	5.76		
	Back		1	16.00	0.60	1.50	14.40		
			1	1.60	0.60	0.60	0.57		
			1	30.00	0.60	1.20	21.60		
			1	8.80	0.60	1.50	7.92		
	Pipeline Road		1	30.00	0.60	1.20	21.60		
			1	30.00	0.60	1.10	19.80		
			1	8.00	0.60	1.35	6.48		
			1	30.00	0.60	1.00	18.00		
			1	30.00	0.60	1.20	21.60		
			1	15.00	0.60	1.20	10.80		
							610.84	TP	
							610.84	4653.00	**2842239.00**
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2016-17	Cum								

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S No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Plinth beam								
	Bande Park		1	14.75	0.75	0.30	3.31		
			1	16.00	0.75	0.30	3.60		
			1	15.00	0.75	0.30	3.37		
			1	15.35	0.75	0.30	3.45		
			1	11.60	0.75	0.30	2.61		
			1	13.30	0.75	0.30	2.99		
			1	12.50	0.75	0.30	2.81		
			1	14.20	0.75	0.30	3.19		
			1	19.40	0.75	0.30	4.36		
			1	15.80	0.75	0.30	3.55		
			1	30.00	0.60	0.30	5.40		
			1	30.00	0.60	0.30	5.40		
			1	15.00	0.60	0.30	2.70		
							46.74		
	Coping Concrete								
	Bande Park		1	14.75	0.60	0.10	0.88		
			1	16.00	0.60	0.10	0.96		
			1	15.00	0.60	0.10	0.90		
			1	15.35	0.60	0.10	0.92		
			1	11.60	0.60	0.10	0.69		
			1	13.30	0.60	0.10	0.79		
			1	12.50	0.60	0.10	0.75		
			1	14.20	0.60	0.10	0.85		
			1	19.40	0.60	0.10	1.16		
			1	15.80	0.60	0.10	0.94		
	Indira Canteen		2	23.00	0.60	0.10	2.76		
			2	16.00	0.60	0.10	1.92		
			1	1.60	0.60	0.10	0.09		
			1	30.00	0.60	0.10	1.80		
			1	8.80	0.60	0.10	0.52		
	Pipeline Road		1	30.00	0.60	0.10	1.80		
			1	30.00	0.60	0.10	1.80		
			1	8.00	0.60	0.10	0.48		
			1	30.00	0.60	0.10	1.80		
			1	30.00	0.60	0.10	1.80		
			1	15.00	0.60	0.10	0.90		
							24.51		
							71.25	TP	
							71.25	5588.00	**398145.00**
5	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4	~~Sqm~~ cum							
			Qty Vide Item No. 1				392.24	TP	
							392.24	65.00	**25496.00**
	EIRL								

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Sl No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
6	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS 4.6.3 (P.No.19, I.No.4.46.2)								
		Tonne	0.1	46.74			**4.67**	56341.48	**263115.00**
	Basic Rate	60607.00							
	Area Weightage @ 6%	3636.42							
	Total	**64243.42**							
	Tender Premium @ 12.30%	-7901.94							
		56341.48							
7	KSRB 4.6.4: Providing and removing centring, shuttering,propping etc., and removal of form work for vertical surface such as walls at any thickess, including attached pilastrers, buttresses, plinth and srring courses cost of all materials,labour complete as per specifications, (page no 15 item 4.31 P.W.D SR -2016-17)								
	Bande Park	Sqm	2	14.75		0.30	8.85		
			2	16.00		0.30	9.60		
			2	15.00		0.30	9.00		
			2	15.35		0.30	9.21		
			2	11.60		0.30	6.96		
			2	13.30		0.30	7.98		
			2	12.50		0.30	7.50		
			2	14.20		0.30	8.52		
			2	19.40		0.30	11.64		
			2	15.80		0.30	9.48		
			2	30.00		0.30	18.00		
			2	30.00		0.30	18.00		
			2	15.00		0.30	9.00		
	Coping Concrete								
	Bande Park		2	14.75		0.15	4.42		
			2	16.00		0.15	4.80		
			2	15.00		0.15	4.50		
			2	15.35		0.15	4.60		
			2	11.60		0.15	3.48		
			2	13.30		0.15	3.99		
			2	12.50		0.15	3.75		
			2	14.20		0.15	4.26		
			2	19.40		0.15	5.82		
			2	15.80		0.15	4.74		
	Indira Canteen		2	23.00		0.15	6.90		
			2	16.00		0.15	4.80		
			2	1.60		0.15	0.48		
			2	30.00		0.15	9.00		

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Sl No	Description	Unit	No	L	B	D	Qty	Rate	Amount
	Nagarbhavi Road		2	8.80		0.15	2.64		
			2	30.00		0.15	9.00		
			2	30.00		0.15	9.00		
			2	8.00		0.15	2.40		
			2	30.00		0.15	9.00		
			2	30.00		0.15	9.00		
			2	15.00		0.15	4.50		
							344.82	273.38	88884.00
	Basic Rate	293.00							
	Area Weightage @ 0%	17.58							
	Total	310.58							
	Tender Premium @ 12.30%	38.20							
		273.38							
	Total								3943843.00

Rupees Thirty Nine Lakhs Forty Three Thousand Eight Hundreaad Forty Three Only

Certificate:

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per P.W.D.S.R of 2016-17 + Tender Premium.
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 13

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Shettyhalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division

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